

APPLICANTS: BARLEV, Tuvia et al.  
SERIAL NO.: 09/510,550  
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## AMENDMENTS TO THE SPECIFICATION

### In the Specification:

Please replace the paragraph beginning on page 22, line 3 with the following rewritten paragraph:

--A characteristic of the copper conductors in the cable is that the electrical parameters such as NEXT and FEXT crosstalk between pairs are strongly correlated with the structure of a binder (i.e., relative isolation) and the relative position (i.e., distance) between pairs within a binder. This phenomenon is described in more detail in "Media Characteristics for High-Speed Digital Transmission in NTT's Local Networks," ~~IEEE~~ IEICE Transaction on Communications, vol. E.80-B, No. 2, February 1997, pages 345-356, incorporated herein by reference--

Please replace the paragraph beginning on page 27, line 23 with the following rewritten paragraph:

--The power switch ~~255~~ 256 also comprises a plurality of switches (e.g., electromechanical or solid state) each of which is connected to a separate line. Each switch is capable of connecting a splitter line 258 to either a telephony line 260 or high voltage power feed 255, in accordance with a command--

Please replace the paragraph beginning on page 60, line 14 with the following rewritten paragraph:

--ii. if  $\text{sum} < R/2$  (i.e., is resilient to line failures) then mark this combination of (K, R); if  $\text{sum} \geq R/2$  then do not mark the combination (K, R) and return to step B--

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